

**MAGNETIC HEAD AND MAGNETIC RECORDING/RETRIEVING  
APPARATUS USING THE SAME**

**ABSTRACT OF THE DISCLOSURE**

A magnetic head comprises a retrieving unit 11 for converting magnetic information output from a recording medium into an electric signal, a writing unit 10 having the function of electromagnetic conversion for writing the magnetic information in the recording medium in response to the electric signal, and a first protective film 30 formed on the retrieving unit. A second protective film 31 is formed on the first protective film 30. The coefficient of linear expansion of the second protective film 31 is reduced in comparison with that of the first protective film 30. Furthermore, the first protective film is an alumina film; in contrast, the second protective film is a film made of an alumina film containing silicon oxide therein.

60033115 v1